

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

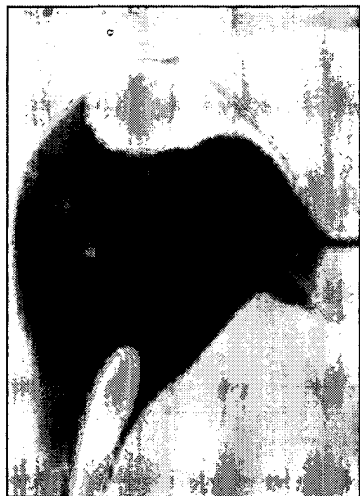
IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



ORIGINAL IMAGE

FIG. 1



BICUBIC

FIG. 3

PRIOR ART



GENERIC IMAGE
HALLUCINATION

FIG. 5



NEAREST NEIGHBOR

FIG. 2

PRIOR ART



BACKPROJECTION

FIG. 4

PRIOR ART

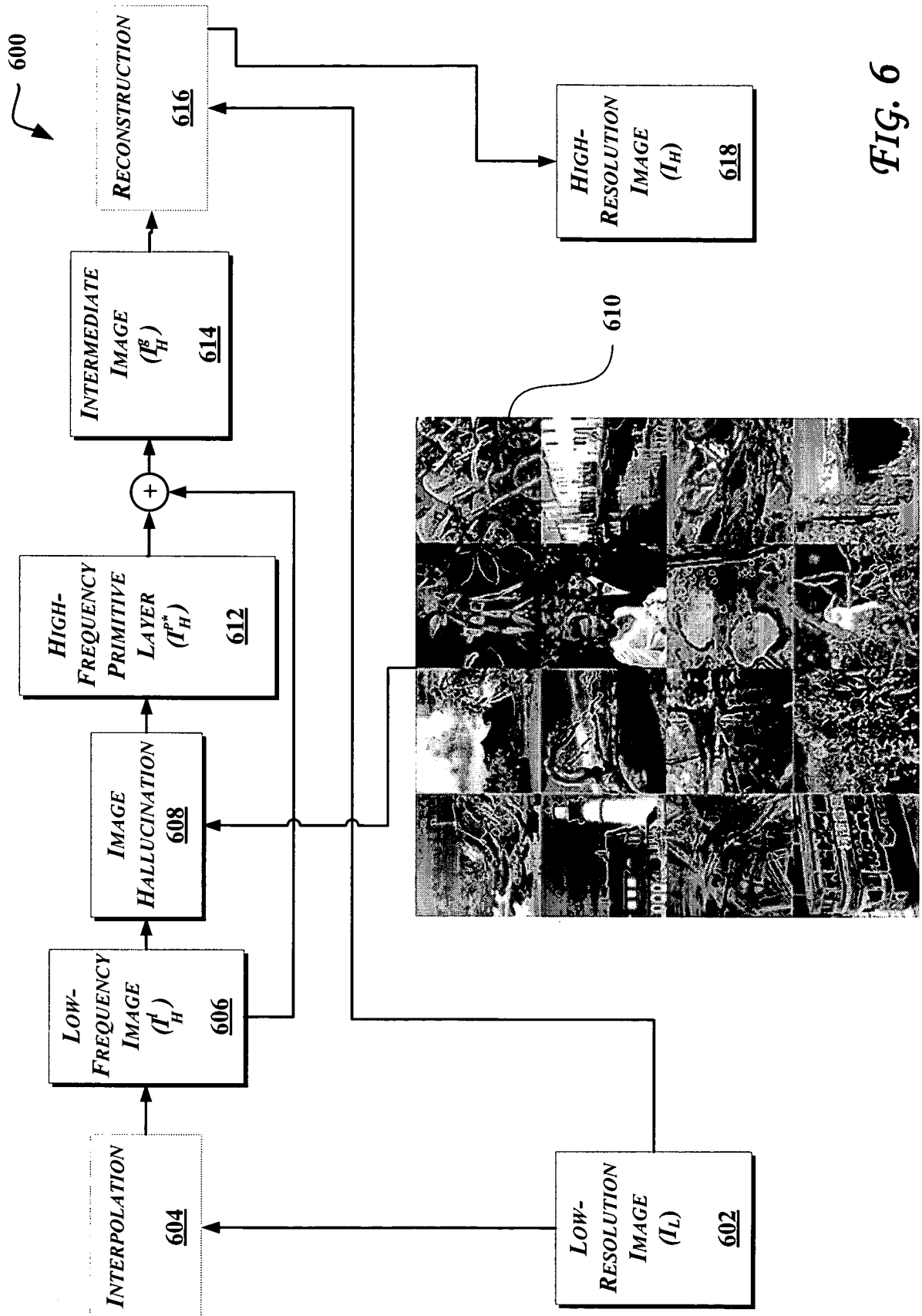


FIG. 6



I_L

FIG. 7



I'_H

FIG. 8



I''_H

FIG. 9

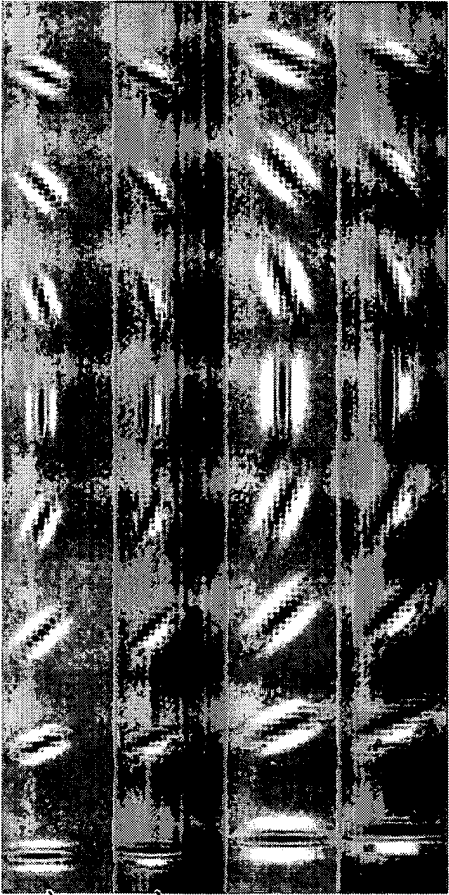


I'''_H

FIG. 10

I_H

FIG. 11



FILTER BANK

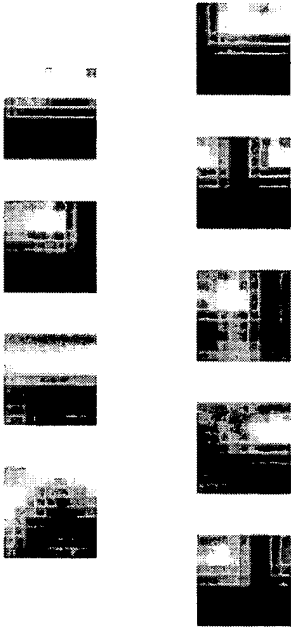
FIG. 12

1202

1204

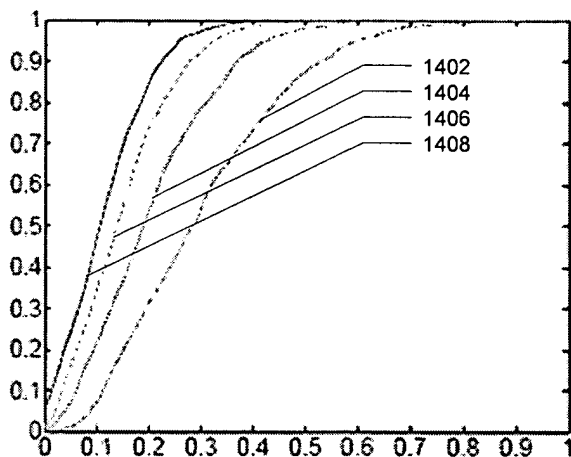
1206

1208



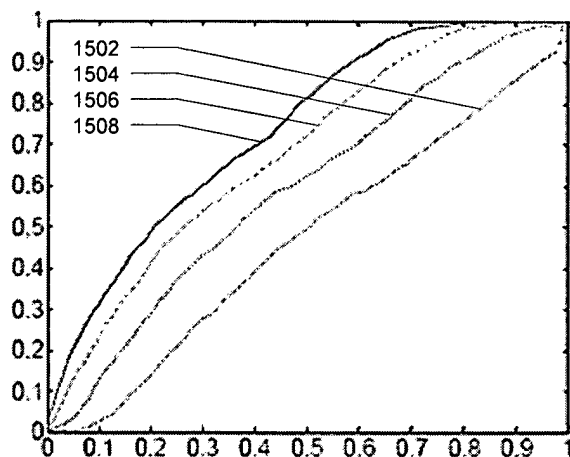
TYPICAL PRIMITIVES

FIG. 13



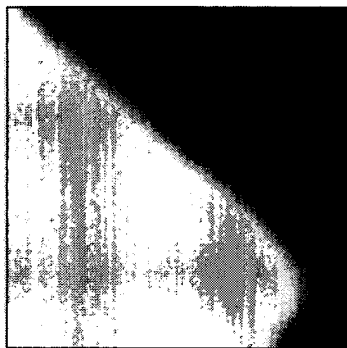
PRIMITIVE TRAINING DATA

Fig. 14



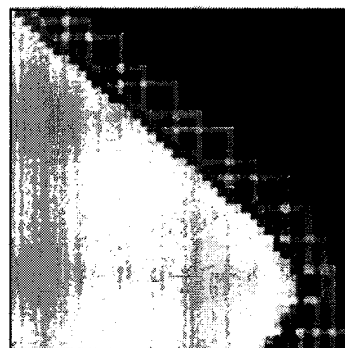
COMPONENT TRAINING DATA

Fig. 15



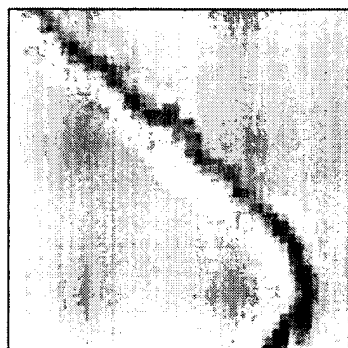
LOW-FREQUENCY IMAGE

Fig. 17



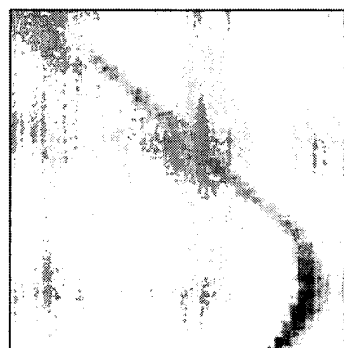
EXTRACTED CONTOUR
PATCHES

Fig. 18



NEAREST NEIGHBOR

Fig. 19



MARKOV CHAIN

Fig. 20

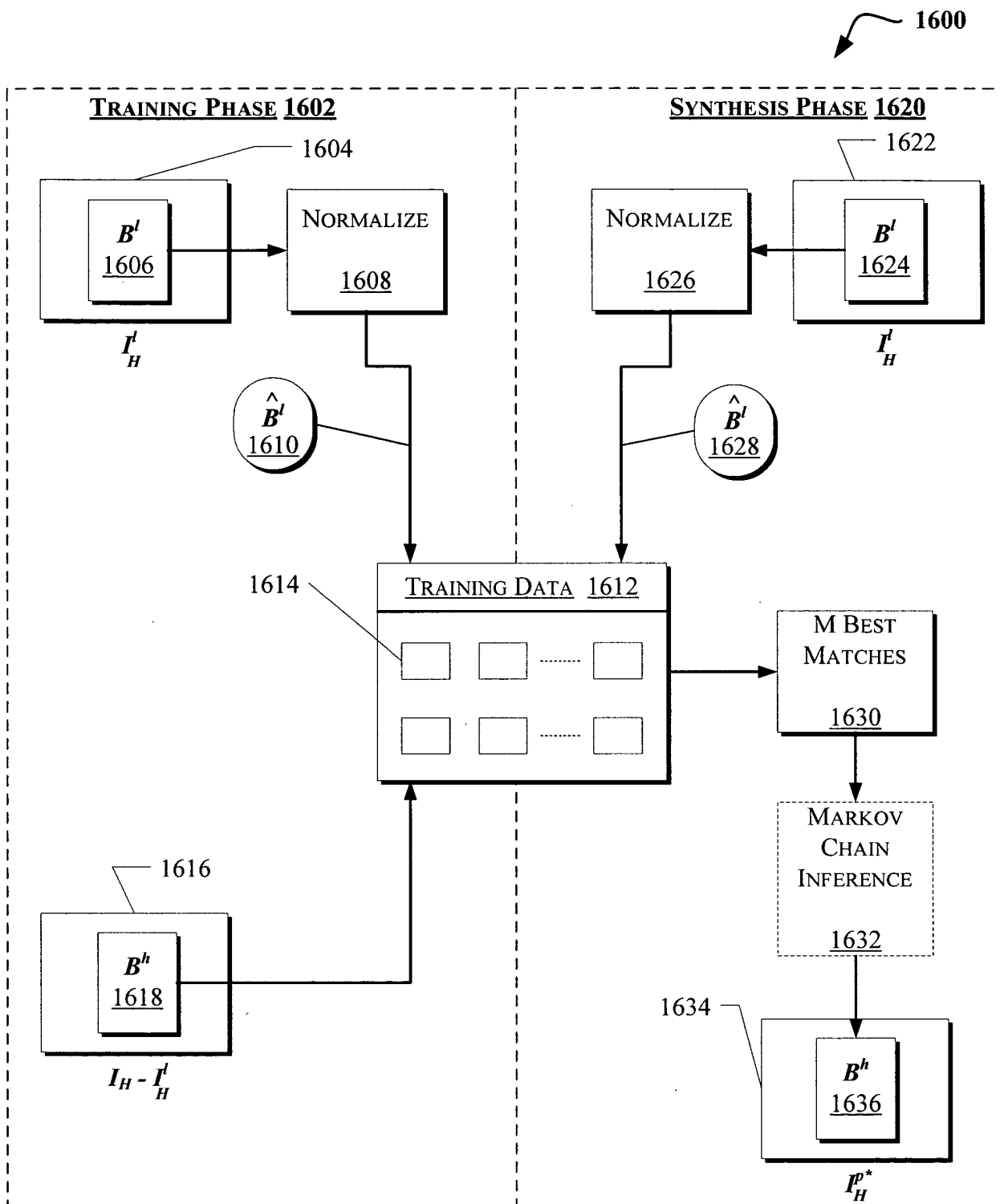
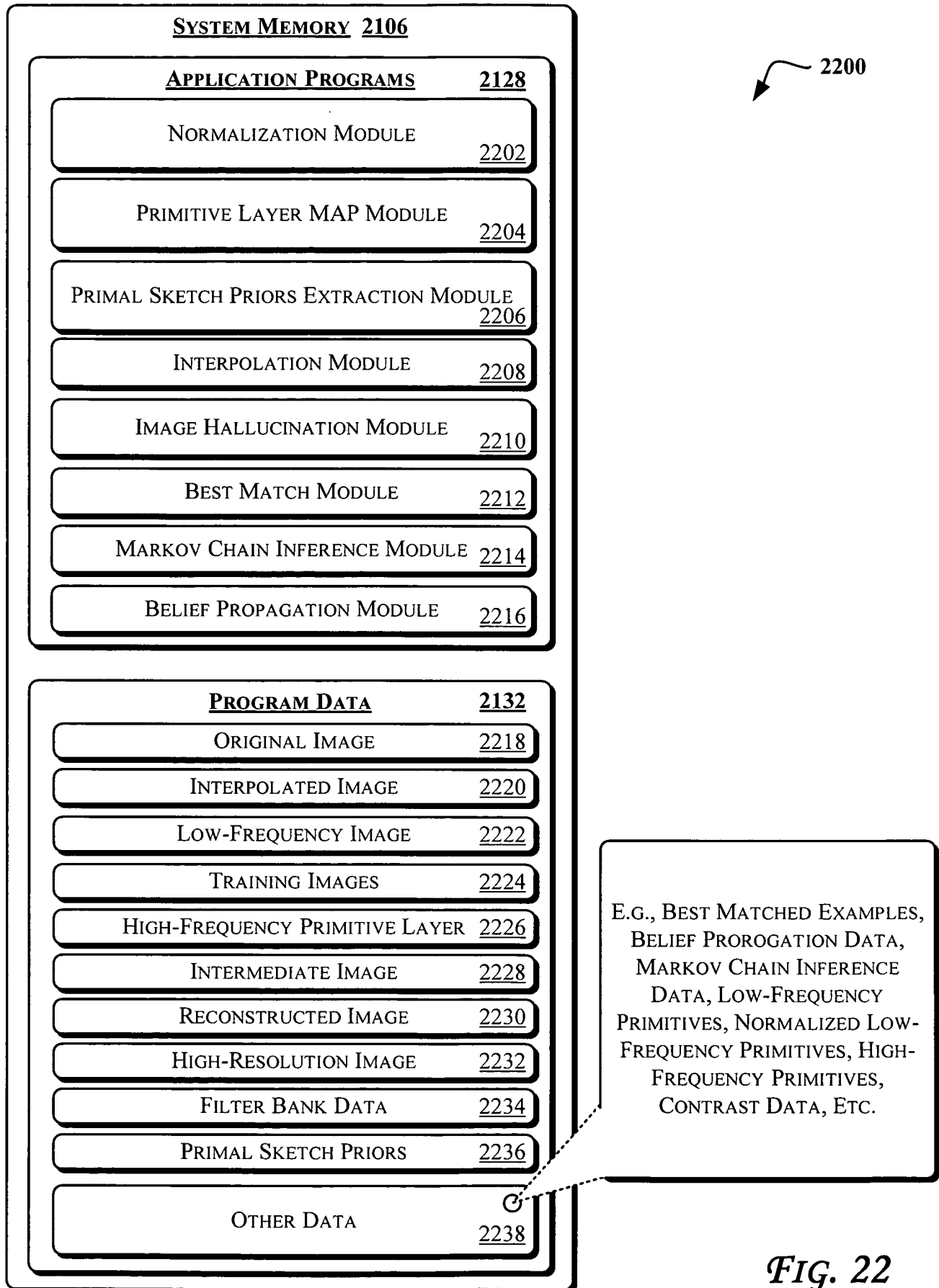


FIG. 16

**FIG. 22**